

Fig. 1A

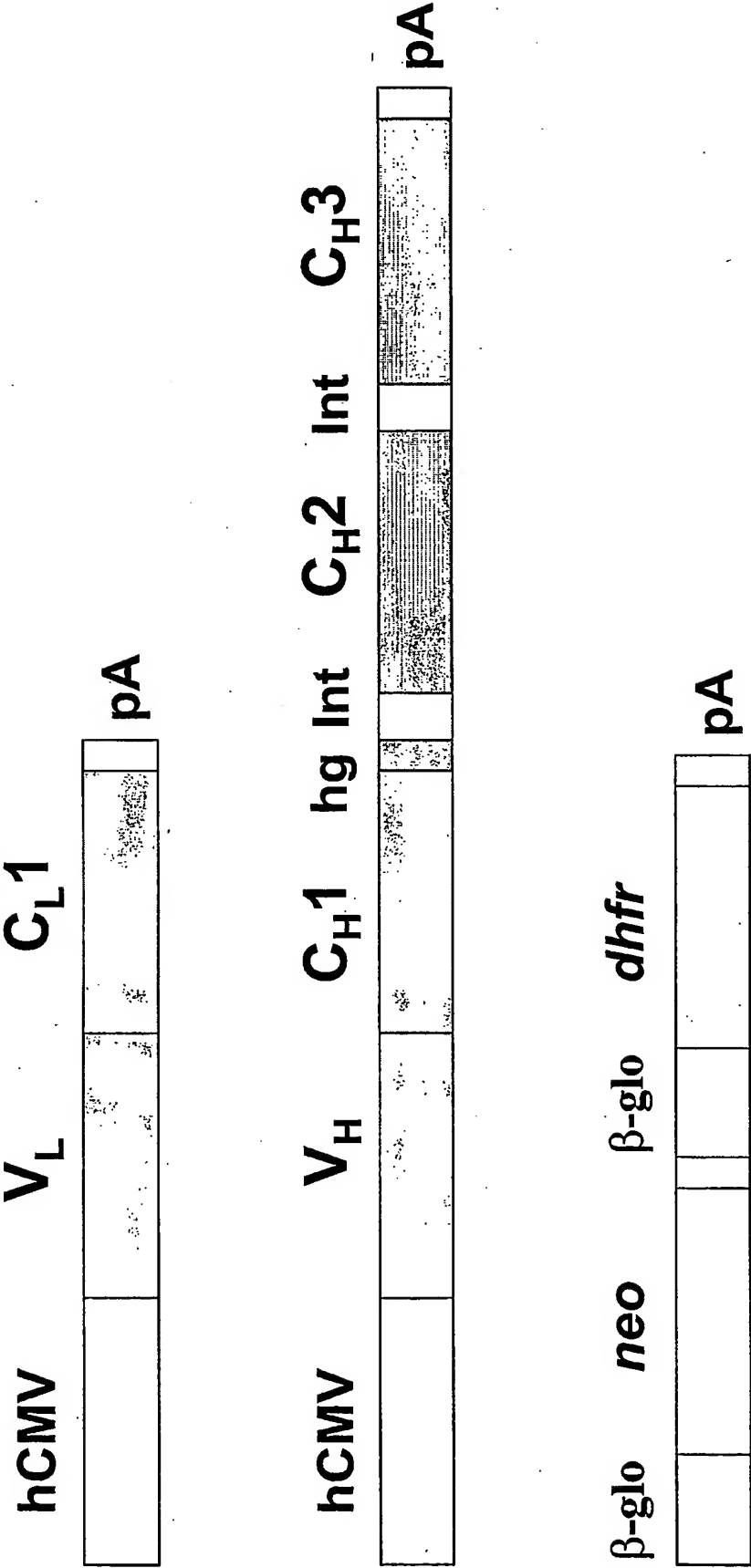


Fig. 1B

(A)					
	FR1	CDR1	FR2	CDR2	
5A7	--ELTQGPATLSLSPGERATLSC	RAGQSLDS-----SLLS	WYQKPGQAPRLLMY	DASTRAP	
3C1	ELQM,,S,,S,,A,V,D,V,VT,	,,SED,N-----KW,A	,,,,,,,K,,K,,I,	K,,SLES	
3E4	--,,S,LS,PVTL,QP,SI,,	,,SS,N,VHSDGNTY,,	,I,,R,,P,,,,I,	KV,N,DS	
7G4	--,,S,S,,A,V,D,V,IT,	,,S,GIS-----W,A	,,,,,,,K,,KF,I,	K,,SLES	
5H2	ELQM,,S,SS,,A,V,D,V,IT,	,,S,DIS-----IR,N	,,,,,,,K,,K,,I,	,,LES	
5D9	--,,S,SS,,A,V,D,V,IT,	,,S,GIS-----NR,N	,,,,,,,G,,KF,,	,,SLVS	
(B)					
	FR1	CDR1	FR2	CDR2	
5A7	GVPAFSGSGGTDFTLTITISLQPEDFAVYY	CQQHYNLPRT	FGQGTKLEIKRT		
3C1	,,S,,,,,E,,,,,D,,T,,	,,YQSY,Y,	,,P,,,,,		
3E4	,,D,,,,,A,,,,,K,TRVEA,,VGL,,	,,V,GVQF,I,	,,,,,,,,		
7G4	,,S,,,,,E,,,,,D,,T,,	,,YGSY,L,	,,P,,VD,,		
5H2	,,S,,,,,E,,,,,D,,T,,	,,FNSY,L,	,,G,,V,,		
5D9	,,S,,,,,E,,,,,D,,T,,	,,FNSY,L,	,,G,,V,,		
(B)					
	FR1	CDR1	FR2	CDR2	
5A7	EVQLLES-GGGLVQPGGSLRLSCAASGVTF	SYWMH	WVRQAPGKGLEWV	SRINSDGSSTNYADSV	
3C1	,,V,YTA,ESTS,V,MELS,,S,,	,,GIS	,,Q,P,,M	GV,IPIRGTA,,QKFQ,	
3E4	,,V,,TA,ESTS,A,MELS,,S,,	RNPIS	,,Q,,M	,V,VPIVGT,KH,QKFQ,	
7G4	,,V,,V,TS,,Q,S,RLSAVT,A,,L,,	,,F	,,P,,	AL,KK,,EKY,,E,,K,	
5H2	,,V,,V,TS,,Q,S,RLSAVT,A,,L,,	,,F	,,P,,	AL,KK,,EKY,,E,,K,	
5D9	,,V,,V,TS,,Q,S,RLSAVT,A,,L,,	,,F	,,P,,	AL,KK,,EKY,,E,,K,	
(B)					
	FR1	CDR1	FR2	CDR2	
5A7	RFTISRDNAKNTLYLQMNSLRAEDTAVYVC	SRGGLWDSPPRIETKTPFDY	WGQGLTVTVSS		
3C1	,,V,YTA,ESTS,V,MELS,,S,,	AT-----G,,CRYPTGS,,	,,A,,		
3E4	,,V,,TA,ESTS,A,MELS,,S,,	AT-----Y,,YADVSSYSE,	,,M,,		
7G4	,,V,,V,TS,,Q,S,RLSAVT,A,,L,,	T,-----RITTLTVISDA,,I	,,K,I,,L		
5H2	,,V,,V,TS,,Q,S,RLSAVT,A,,L,,	A,-----QGTGTGVSED,F,L	,,K,I,,L		
5D9	,,V,,V,TS,,Q,S,RLSAVT,A,,L,,	A,-----QGTGTGVSED,F,L	,,K,I,,L		

Fig. 2

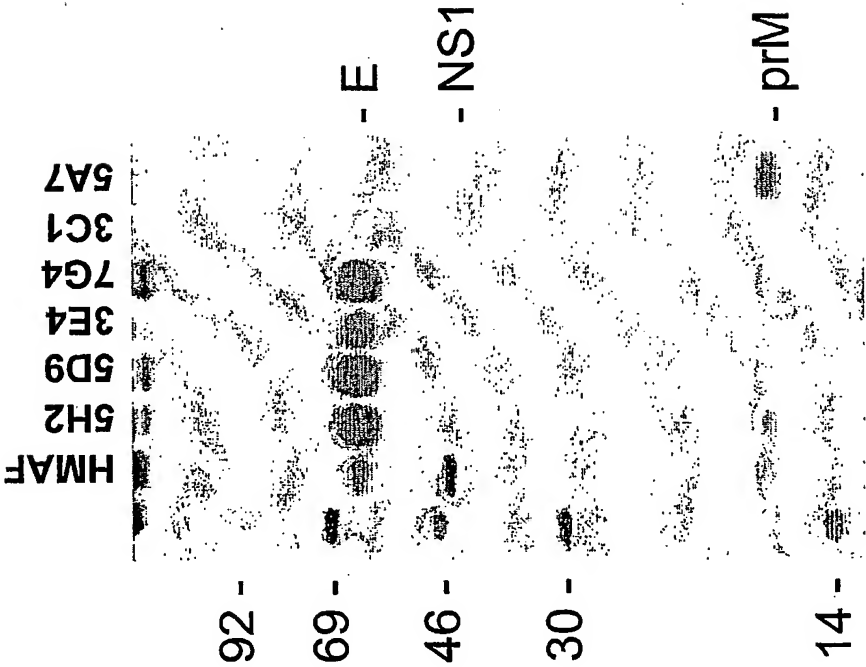
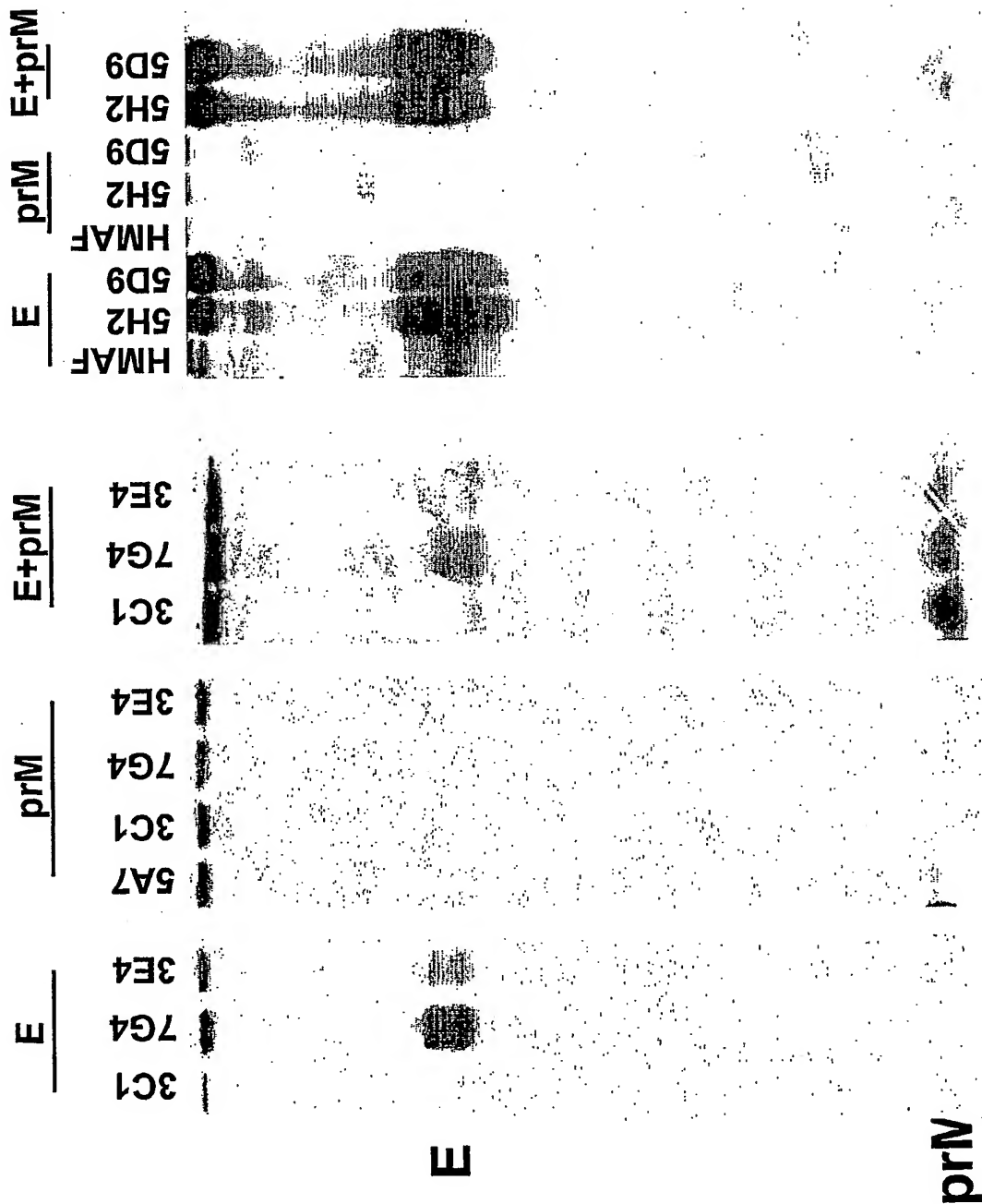


Fig. 3A

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Fig. 3B



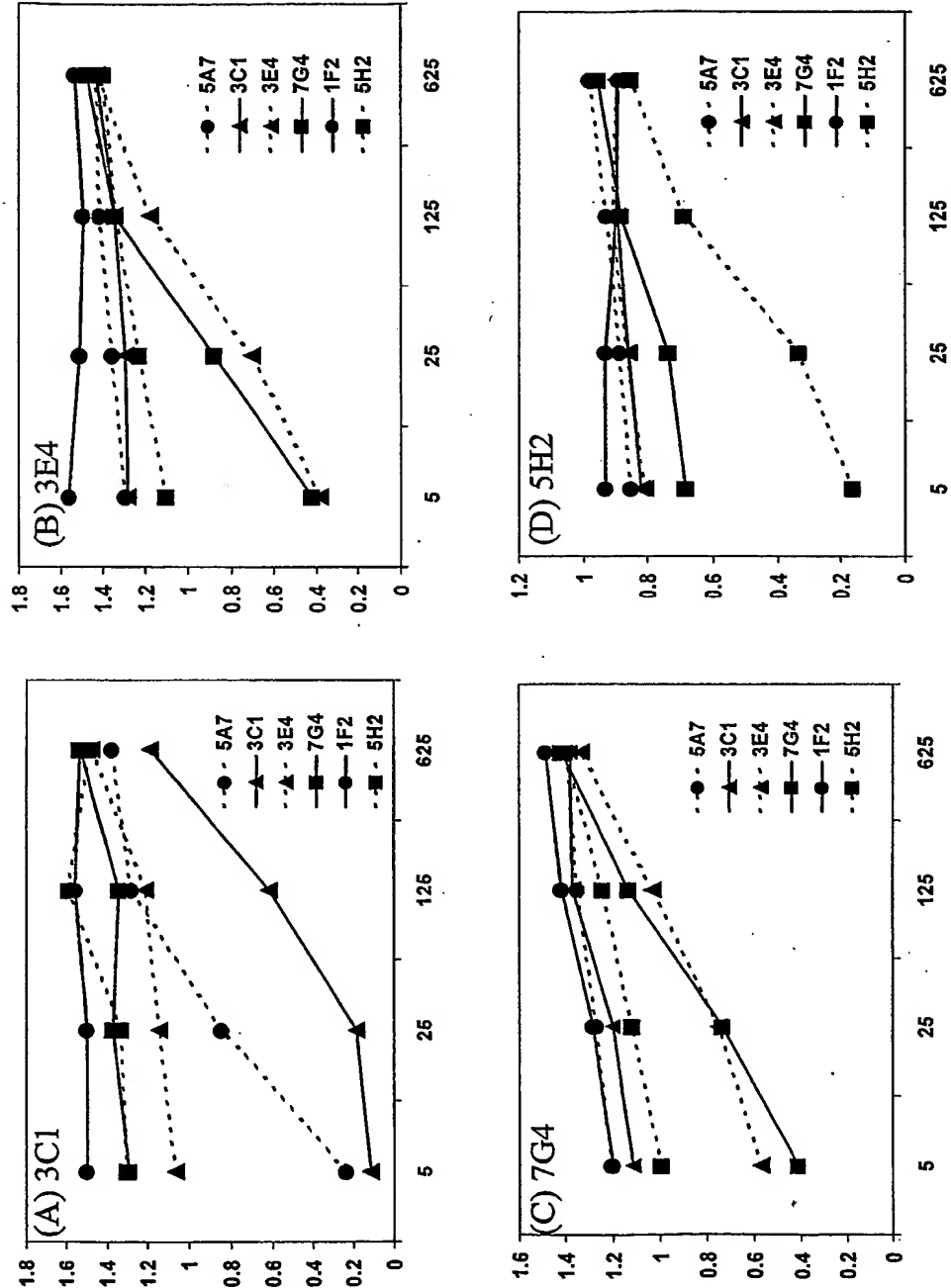


Fig. 4

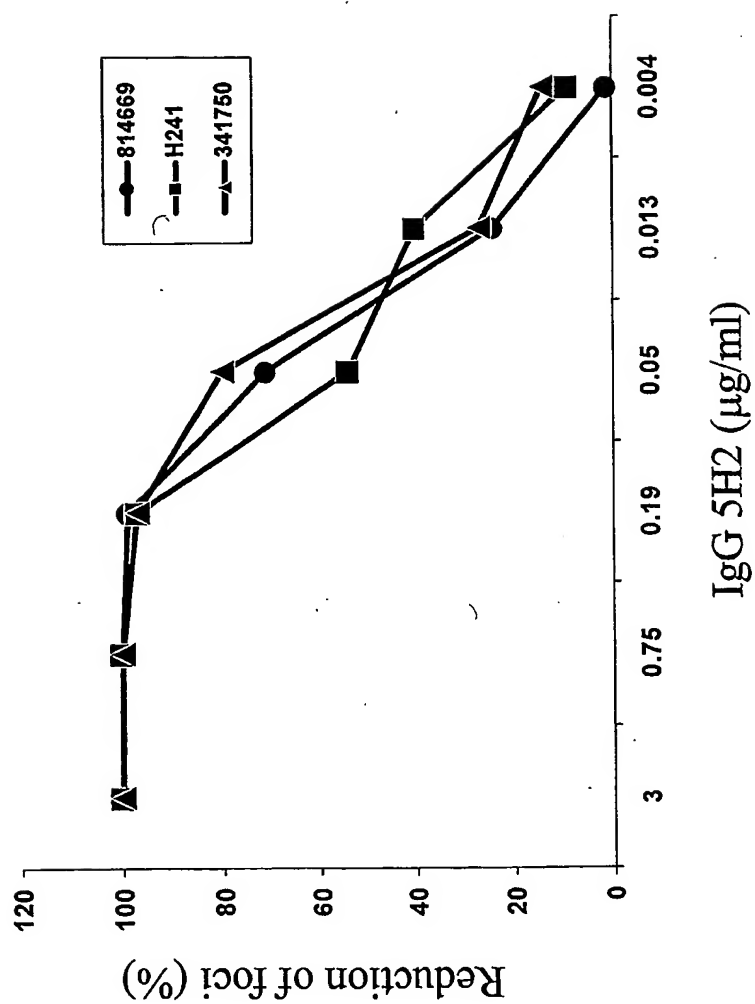


Fig. 5

(A)					
	FR1	CDR1	FR2	CDR2	
2H7	ELQMTQSPSSLSASVGDRTTTC	RASQSIIN-----YLS	WTQQPKGKAPKLILS	YSSTLQS	
2H5	--EL.....V.....	.....T.....V.....	.....N...Y	FA...H.	
3A2	--EL.....V.....T...A.....	.....T.....	.....Y	HA.....	
1A5	.....V.....T...A.....	.....T.....	.....Y	HA.....	
1B2	.....L...VAP.QPAS.S.KS..	LLHSDGNT..F..L..S.QS.Q...	Y	DA.S.E.	
1A10	A.L....L..PVT.L.QPAS.S.	RS..NLVHSDGNT..S	IQ.RP.QP.R...	Y	KVSNRD.
3E4					
(B)					
	FR1	CDR1	FR2	CDR2	
2H7	GVPSRPSGSGCTDFTLTITISSLPEDFATYY	CHYG-YGTHT	FGPGTKKVDIKRT		
2H5	.....N....D.....	Q...Q...	Q...LEV...		
3A2	I.....D.....	.....Q...	LE...		
1A5	I.....D.....	.....Q...	LE...		
1B2	.....K.QVEA..VGVF..	MQ.TOLPY..Q...LE...			
1A10	.....A.....K..TRVEA..VGLY..	VQ.VQFPI..Q...RLE...			
3E4					
2H7	EVQLLE-SGGGLVQPGGSRRLSCAASGFTIS--	DNVMH	WVRQAPGKGLEWV	ALITYSAD-STHYADSVKG	
2H5	.....Q.....V.....	.....T.....			
3A2	.....P...K.SQTLS.T..V..	GSITSD	HYFWS	M.....R....I	GY.SYRG-T.Y.NP.L.S
1A5	.....E..AEVKK..SSVKV..KV..	GTF...R.PIS	.....Q....M	GV.VPIVGT.KH.QKFQ.	
1B2	.....Q..AEVKK..SSVKV..KV..	GTF...R.PIS	.....Q....M	GV.VPIVGT.KH.QKFQ.	
1A10					
3E4					
(C)					
	FR1	CDR1	FR2	CDR2	
2H7	RFTISRDNKNTLYLQMDGLRPEDTAVYYC	AREYCTGGT-CFAHFDY	WGQGTLLVTVSS		
2H5	.....S.....	.....D.....	.....S...		
3A2	.....S.....	.....G.....	.....T...		
1A5	.....S.....	.....D.....	.....S...		
1B2	.....V.M.VTAA.....	.....ASV.AGMPAAGTL.H			
1A10	RV.IIA.ESTSTAYMELSS..S.....	TYIAD....SSYSEY			
3E4	RV.IIA.ESTSTAYMELSS..S.....	TYIADV....SSYSEY			

Fig. 6

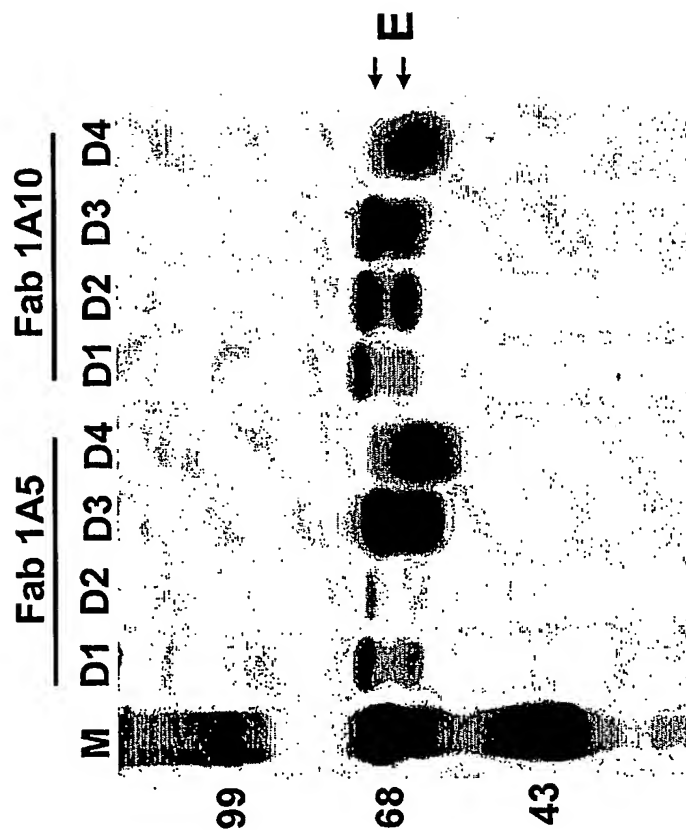


Fig. 7

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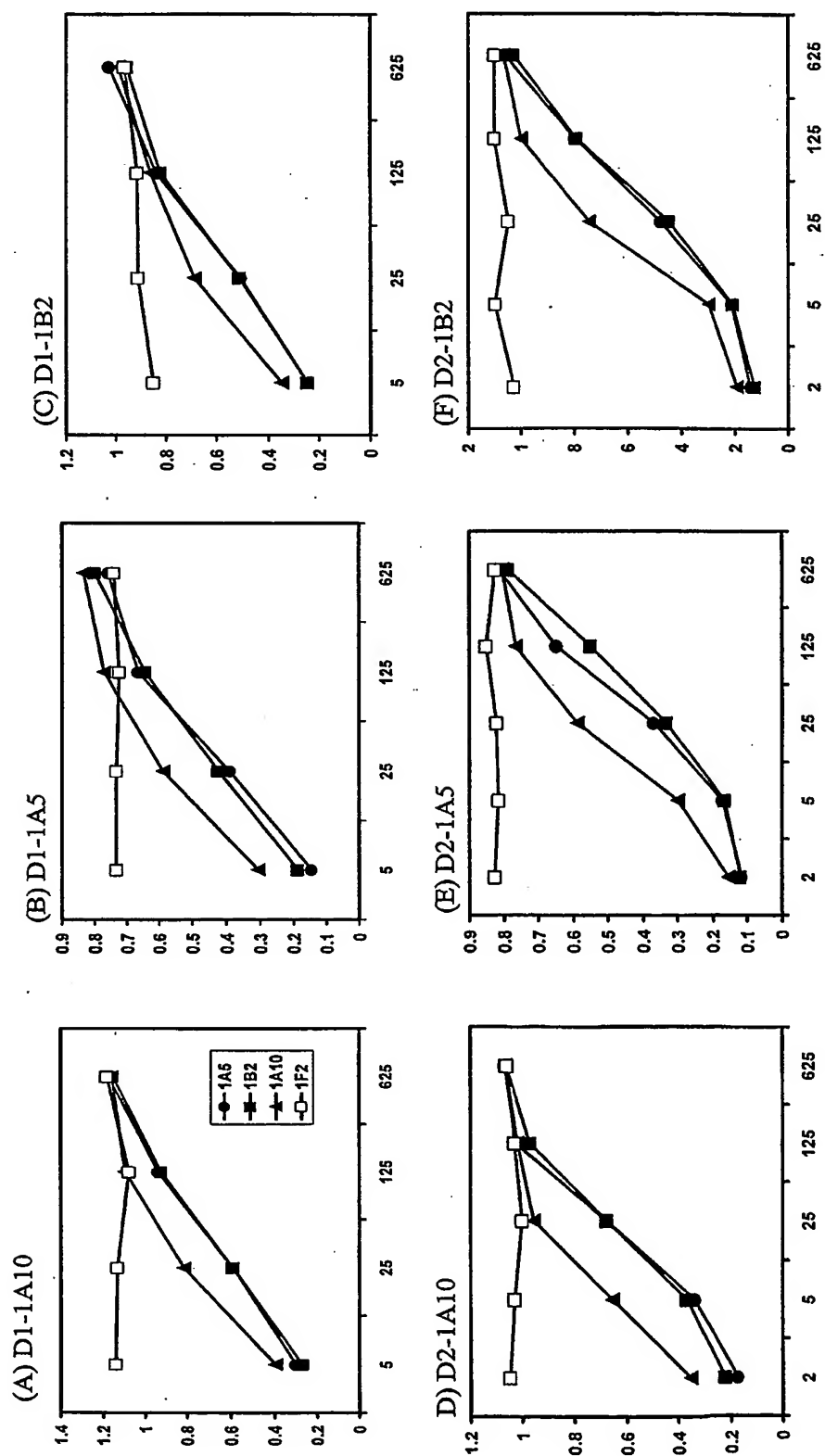


Fig. 8

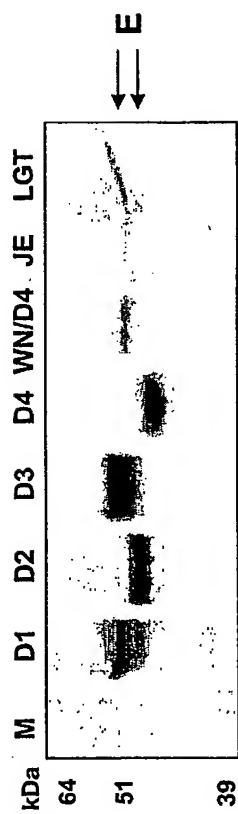


Fig. 9

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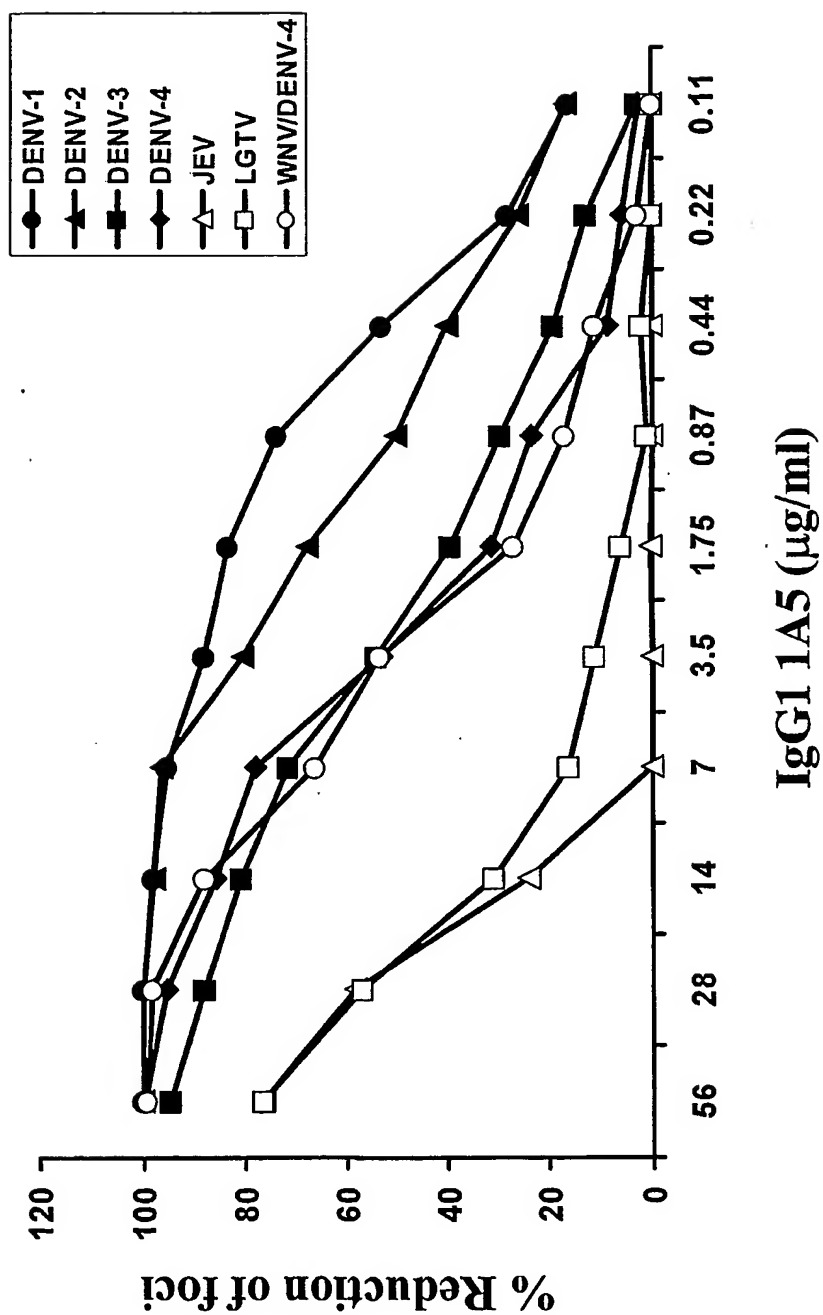
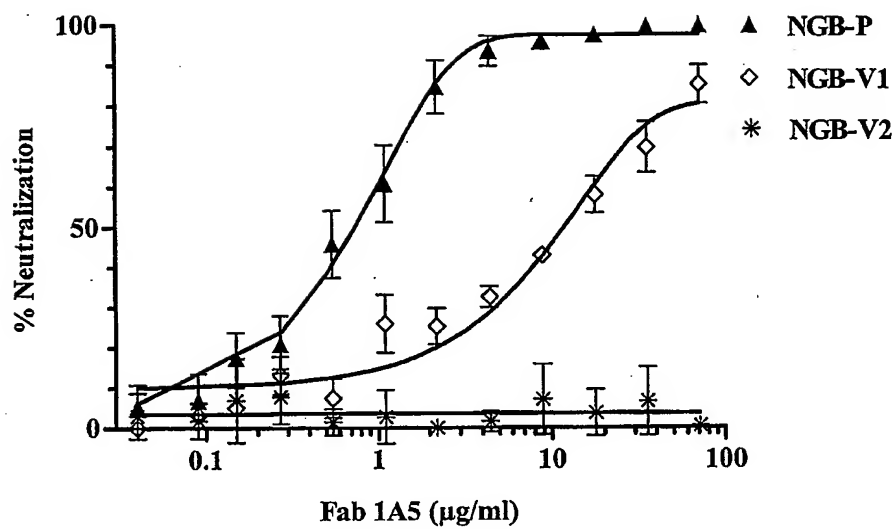


Fig. 10

A



B

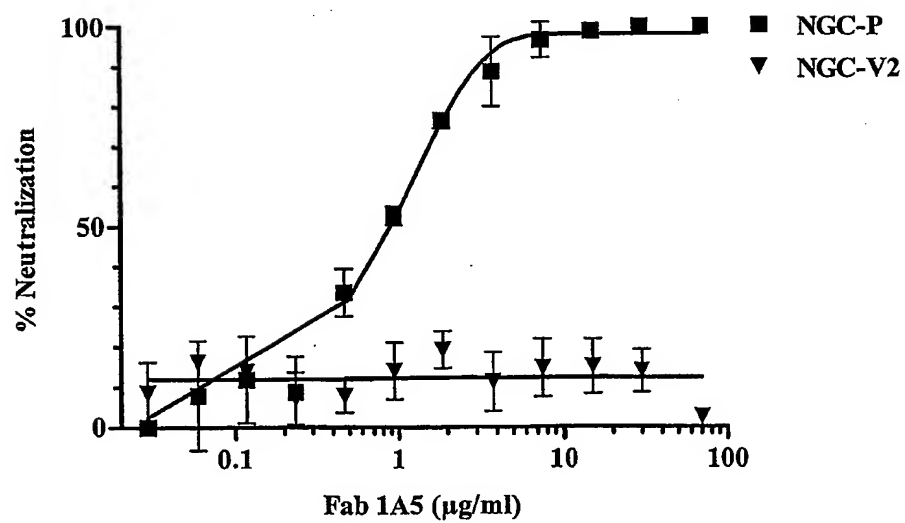


Fig. 11

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A

			Gly ₁₀₆	
		c	↓	d
DENV-2 P	89	RFVCKHSMVDRGWGNGCGLFGKGGIVTCAMFT		120
DENV-2 V1		-----		
DENV-2 V2		-----V-----		
DENV-1		N---RRTF-----SLI---K-K		
DENV-3		NY---TY-----SL---K-Q		
DENV-4		QYI-RRDV-----V---K-S		
WNV		A---RQGV-----S-D---K-A		
JEV		SY---QGFT-----S-D---K-S		
JEV SA14-14-2		SY---QGFT-----F---S-D---K-S		
SLEV		T---RDV-----S-D---K--		
YFV Asibi		DNA--RTYS-----S--A--K--		
YFV 17D		DNA--RTYS-----S--A--K--		
LGTV		GT---RDQS-----H-----S---VK--		
TBEV		GT---RDQS-----H-----S--A-VKAA		

B

			His ₃₁₇	
		A	↓	B
DENV-2 P	306	FKVVKEIAETQHGTIVIRVQY		326
DENV-2 V1		-----Q-----		
DENV-2 V2		-----		
DENV-1		--LE--V-----VLVQ-K-		
DENV-3		-VLK--VS-----L-K-E-		
DENV-4		-SID--M-----T-VK-K-		
WNV		--FLGTP-D-G---V-LEL--		
JEV		-SFA-NP-D-G---V--ELT-		
JEV SA14-14-2		-SFA-NP-D-G---V--ELT-		
SLEV		-TFS-NPTD-G---VIVEL--		
YFV Asibi		MFF--NPDT-G---V-MQ-KV		
YFV 17D		MFF--NPDT-G---V-MQ-KV		
LGTV		-TWKRAPTD SG-D-V-ME-GF		
TBEV		-TWRRAPTD SG-D-V-ME-TF		

Fig. 12

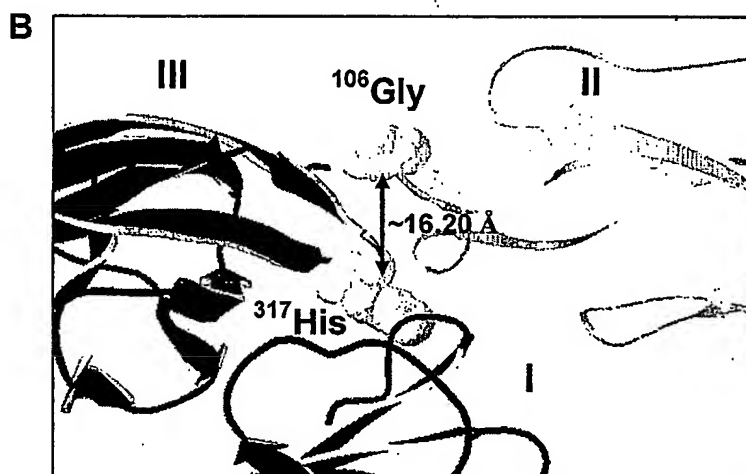
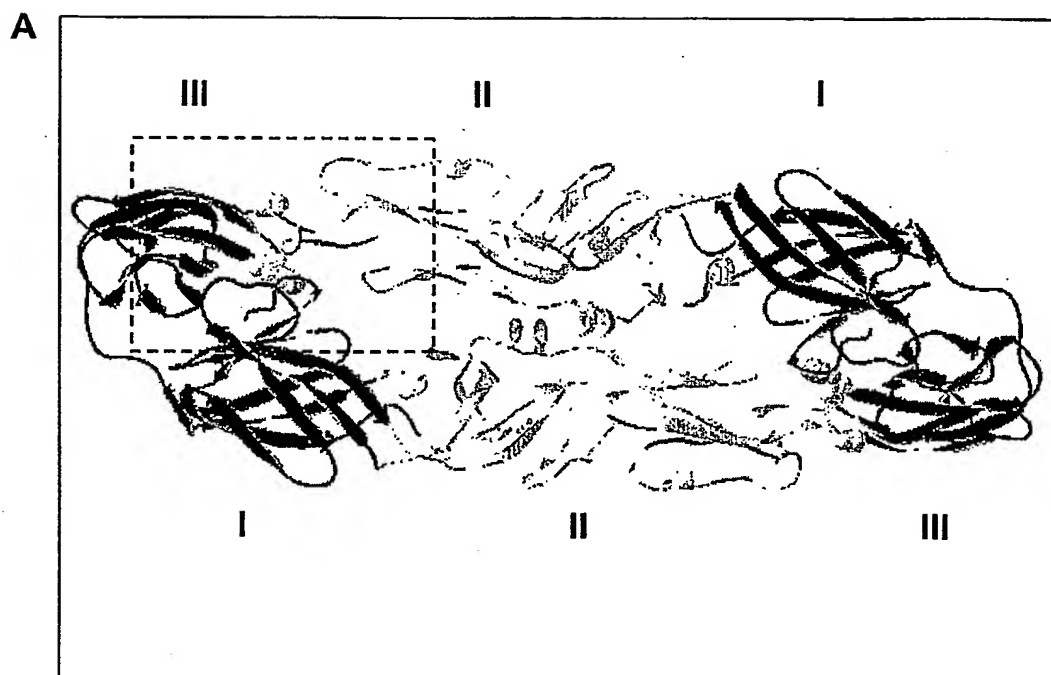
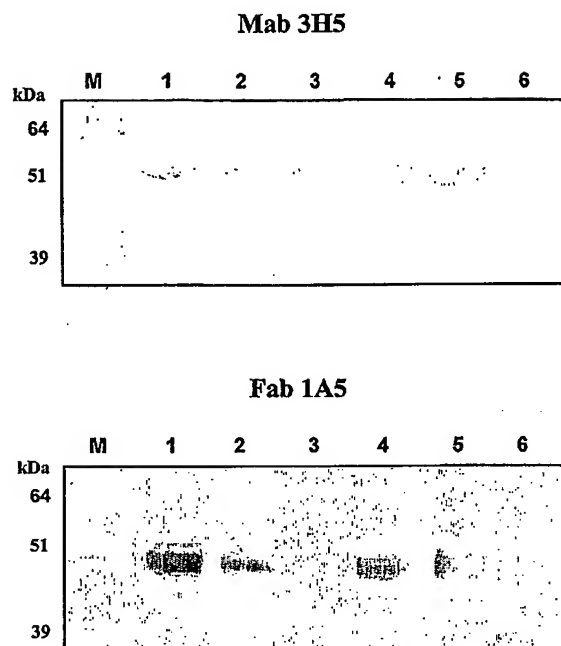
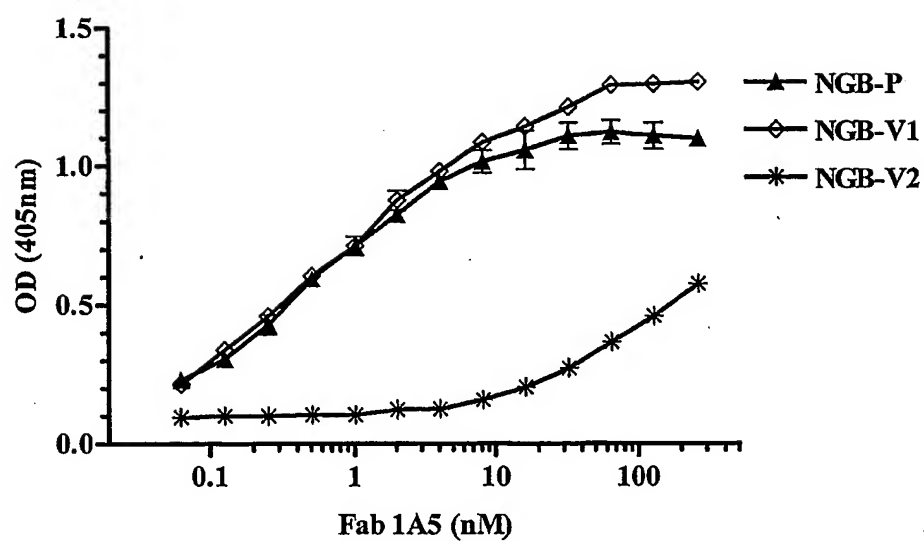


Fig. 13

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A**B**

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FIG. 14

Fig. 14

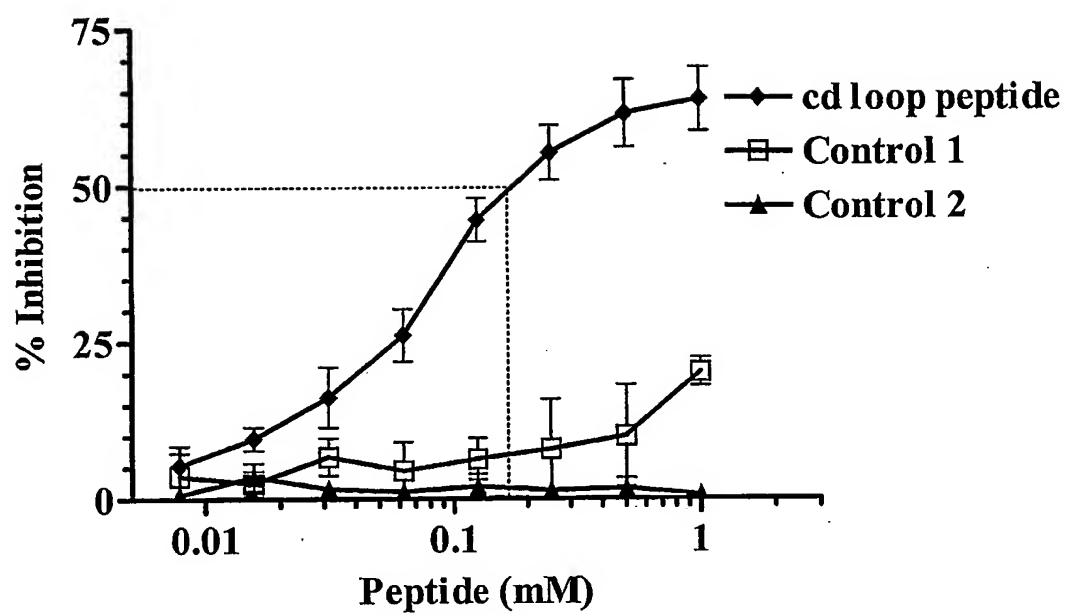
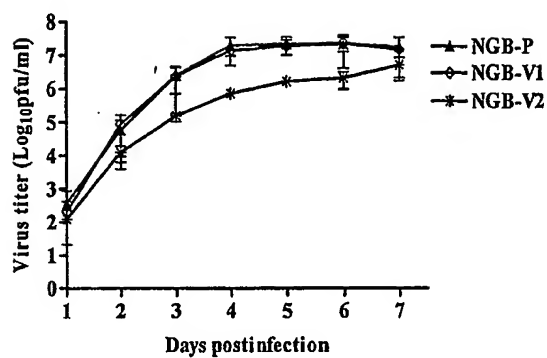
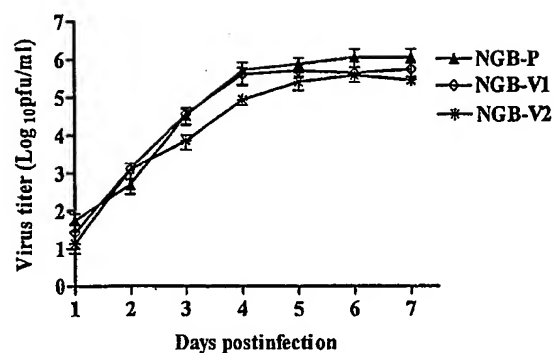


Fig. 15

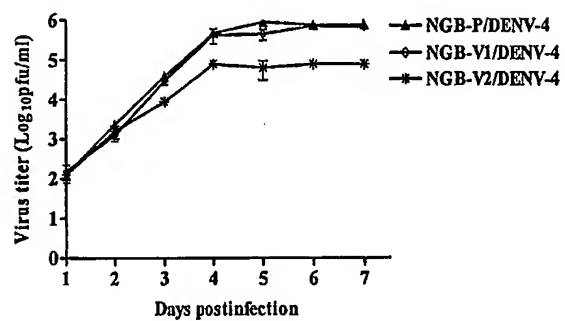
(A) C6/36



(B) Vero



(C) C6/36



(D) Vero

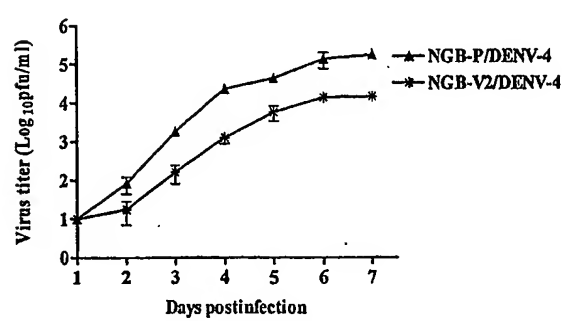
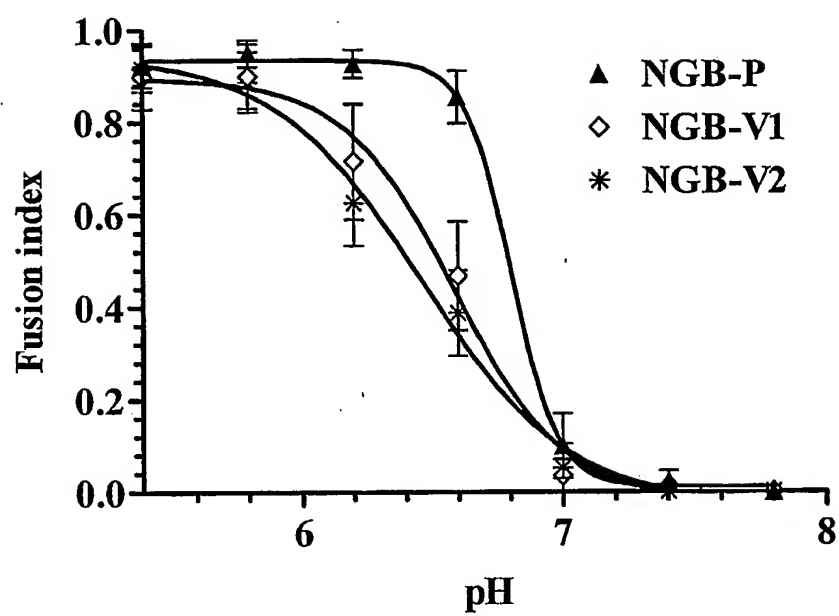
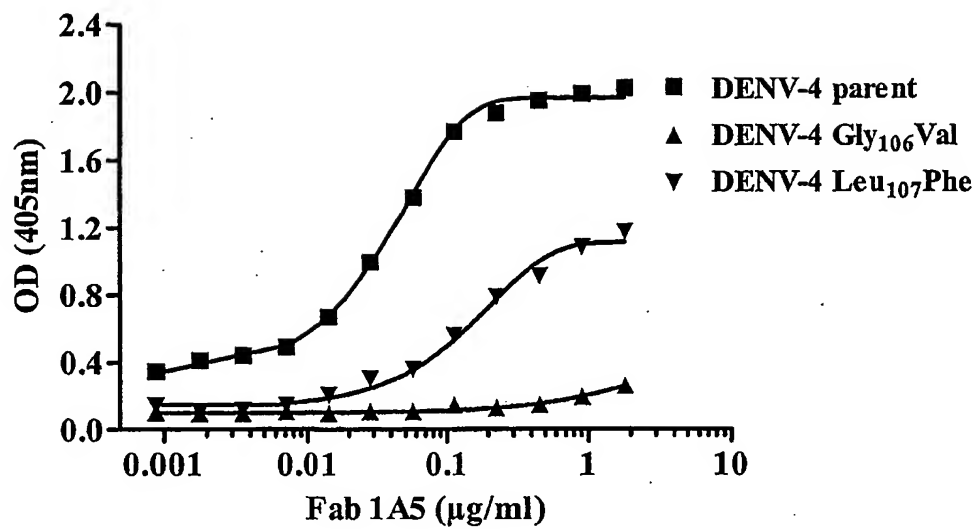


Fig. 16

**Fig. 17**

A



B

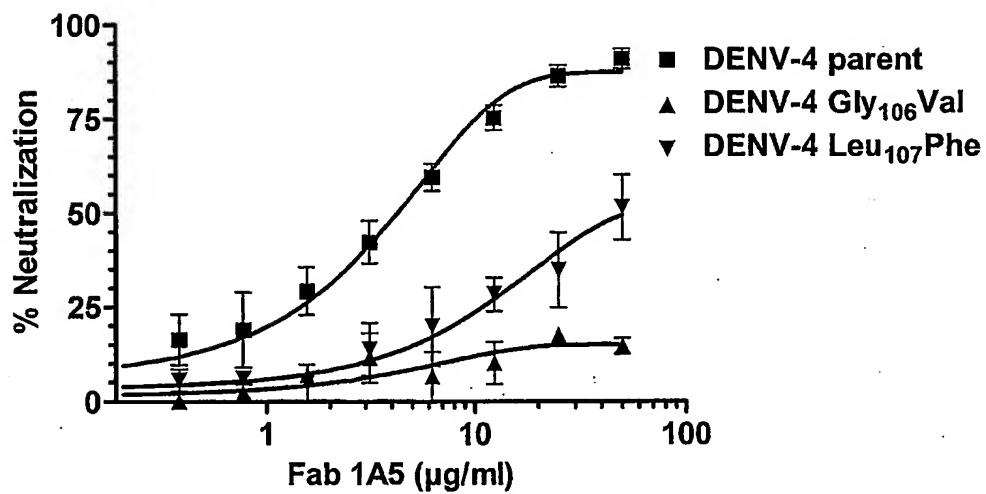


Fig. 18